

ABSTRACT OF THE DISCLOSURE

A cold cathode ionization manometer operating according to the inverse magnetron principle to measure pressures in fine vacuums, high vacuums, and ultrahigh vacuums (preferably between 10^{-2} Pa and 1 Pa). To reduce the contamination and thus to extend the service life the measuring tube is provided with two separately controlled and axially displaced cathodes and a coaxially arranged common anode within a vacuum-proof housing.